

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Hamaker 3-30A1E				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT BLUEBELL				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR EP ENERGY E&P COMPANY, L.P.						7. OPERATOR PHONE 713 997-5038				
8. ADDRESS OF OPERATOR 1001 Louisiana, Houston, TX, 77002						9. OPERATOR E-MAIL maria.gomez@epenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Marvin J. Hamaker, Trustee						14. SURFACE OWNER PHONE (if box 12 = 'fee') 4353534911				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') RR 2 Box 2708, Roosevelt, UT 84066						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		746 FSL 1027 FWL		SWSW	30	1.0 S	1.0 E	U		
Top of Uppermost Producing Zone		746 FSL 1027 FWL		SWSW	30	1.0 S	1.0 E	U		
At Total Depth		746 FSL 1027 FWL		SWSW	30	1.0 S	1.0 E	U		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 746			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion) 1700			26. PROPOSED DEPTH MD: 13700 TVD: 13700				
27. ELEVATION - GROUND LEVEL 5382			28. BOND NUMBER 400JU0708			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Roosevelt City / Ballard City				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	20	13.375	0 - 1000	54.5	J-55 LT&C	8.8	Class G	1241	1.15	15.8
Surf	12.25	9.625	0 - 5300	40.0	N-80 LT&C	9.5	35/65 Poz	809	3.16	11.0
							Premium Lite High Strength	191	1.33	14.2
I1	8.75	7	0 - 9900	29.0	P-110 LT&C	10.0	Premium Lite High Strength	278	2.31	12.0
							Premium Lite High Strength	91	1.91	12.5
L1	6.125	4.5	9700 - 13700	13.5	P-110 LT&C	14.0	50/50 Poz	327	1.45	15.4
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Maria S. Gomez			TITLE Principal Regulatory Analyst			PHONE 713 997-5038				
SIGNATURE			DATE 08/17/2012			EMAIL maria.gomez@epenergy.com				
API NUMBER ASSIGNED 43047530210000						APPROVAL				

Received: October 11, 2012

**Hamaker 3-30A1E
Sec. 30, T1S, R1E
UINTAH COUNTY, UT**

EP Energy E&P COMPANY, L.P.

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Green River (GRRV)	5,478'
Green River (GRTN1)	6,923'
Mahogany Bench	7,508'
L. Green River	8,718'
Wasatch	9,678'
T.D. (Permit)	13,700'

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	5,478'
	Green River (GRTN1)	6,923'
	Mahogany Bench	7,508'
Oil	L. Green River	8,718'
Oil	Wasatch	9,678'

3. Pressure Control Equipment: (Schematic Attached)

A 4.5" by 20.0" rotating head on structural pipe from surface to 1,000'. A 4.5" by 13 3/8" Smith Rotating Head and 5M Annular from 1,000' to 5,500' on Conductor. A 5M BOP stack, 5M Annular, and 5M kill lines and choke manifold used from 5,500' to 9,900'. A 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 9,900' to TD. The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi Annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test and 4,000 psi high test. The 10M BOP will be installed

Received: August 17, 2012

with 3 ½" pipe rams, blind rams, mud cross and rotating head from intermediate shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision Rig # 406 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

- A) Pason monitoring systems with gas monitor 1,000' – TD.
- B) Mud logger with gas monitor – 5,500' to TD
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and de-silter, and centrifuge

4. Proposed Casing & Cementing Program

Please refer to the attached Wellbore Diagram.

All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations will be based on: 25% excess over gauge hole in the liner section, 10% excess over gauge hole in the intermediate section, and 75% excess on the lead and 50% excess on the tail over gauge hole volume for the surface hole. Actual volumes pumped will be a minimum of the volumes stated above, however, actual hole size will be based on caliper logs in the liner and intermediate sections. Gauge hole will be used for the surface section.

5. Drilling Fluids Program:

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.8 – 9.5
Intermediate	WBM	9.5 – 10.0
Production	WBM	10.0 – 14.0

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Logs:

Mud Log: 5,500' - TD.

Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from base of surface casing to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 13,700' TD equals approximately 9,974 psi. This is calculated based on a 0.728 psi/foot gradient (14.0 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 6,960 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

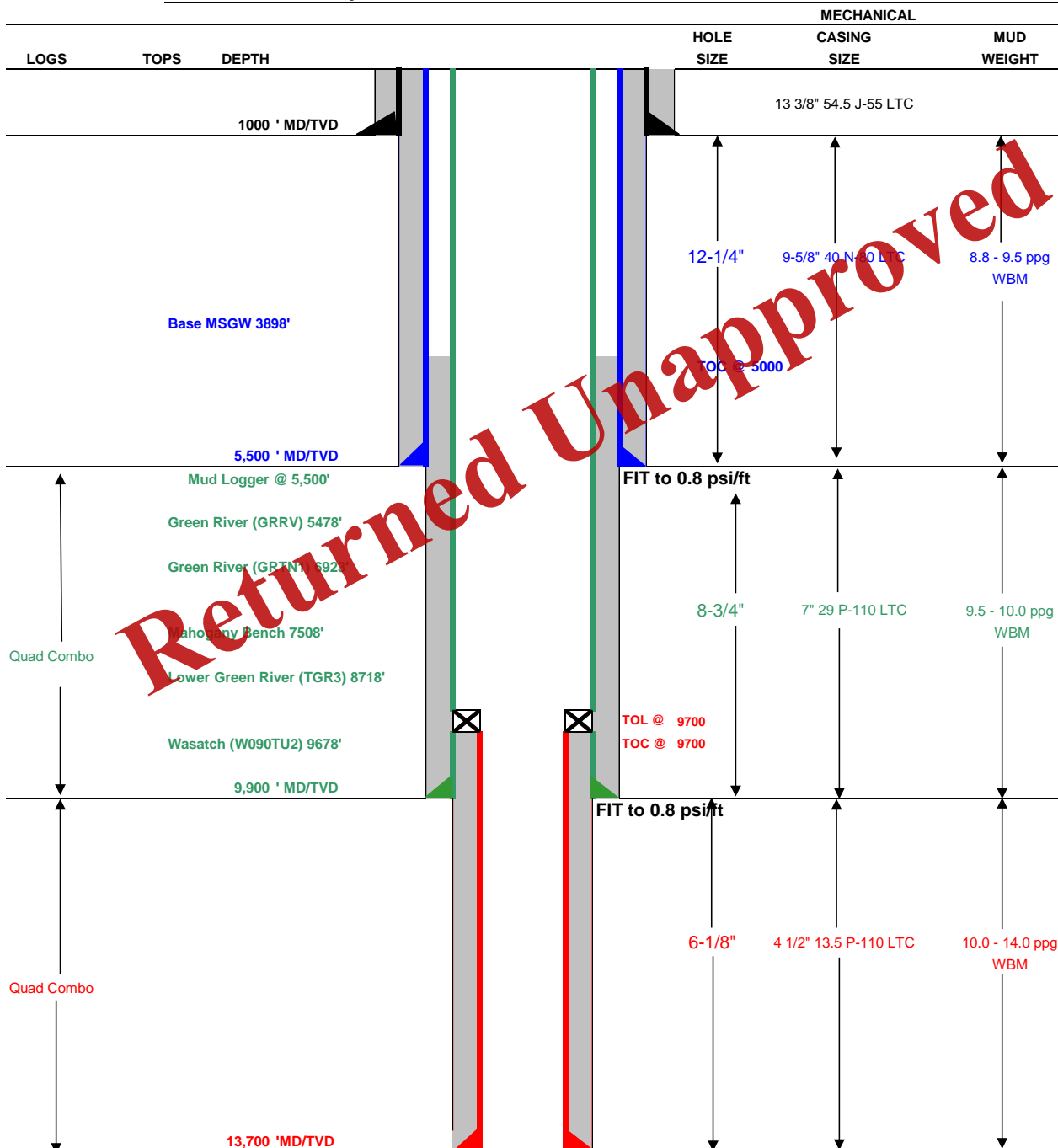
Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 9,900' = 7,920 psi.

BOPE and casing design will be based on the lesser of the two MASPs which is 6,960 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

Drilling Schematic

Company Name: EP ENERGY	Date: August 13, 2012
Well Name: Hamaker 3-30A1E	TD: 13,700
Field, County, State: Altamont - Bluebell, Uintah, Utah	AFE #:
Surface Location: Sec 30 T1S R1E 746' FSL 1027' FWL	BHL: Straight Hole
Objective Zone(s): Green River, Wasatch	Elevation: 5382
Rig: Precision 404	Spud (est.):
BOPE Info: 5.0 x 13 3/8 rotating head from 1,000' to 5,500' 11 5M BOP stack and 5M kill lines and choke manifold used from 5,500' to 9,900' 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 9,900' to TD	



DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	1000	54.5	J-55	LTC	2,730	1,140	1,399
SURFACE	9-5/8"	0	5500	40.00	N-80	LTC	3,090	5,750	820
INTERMEDIATE	7"	0	9900	29.00	P-110	LTC	11,220	8,530	797
PRODUCTION LINER	4 1/2"	9700	13700	13.50	P-110	LTC	12,410	10,680	338

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		1000	Class G + 3% CACL2	1241	100%	15.8 ppg	1.15
SURFACE	Lead	5,000	Boral Craig POZ 35%, Mountain G 65%, Bentonite Wyoming 8%, Silicate 5 lbm/sk, Pol-E Flake 0.125 lbm/sk, Kwik Seal 0.25 lb/sk	809	75%	11.0 ppg	3.16
	Tail	500	Halco-light premium+3 lb/sk Silicate+0.3% Econolite+1% Salt+0.25 lbm/sk Kol-Seal+0.24 lb/sk Kwik Seal+ HR-5	191	50%	14.2 ppg	3.33
INTERMEDIATE	Lead	3,900	Halco-Light-Premium+4% Bentonite+0.4% Econolite+0.2% Halad322+3 lb/sk Silicalite Compacted+0.8% HR-5+ 0.125 lb/sk Poly-E-Flake	278	10%	13.0 ppg	2.31
	Tail	1,000	Halco-Light-Premium+0.2% Econolite+0.3% Versaset+0.2% Halad322+0.8% HR-5+ 0.3% SuperCBL+ 0.125 lb/sk Poly-E-Flake	271	10%	12.5 ppg	1.91
PRODUCTION LINER		4,000	Halco- 50/50 Poz Premium Cement+20% SSA-1+0.6% Super CBL+ 0.3% Halad-344+0.3% Halad-413+ 0.2% SCR-100+ 0.125 lb/sk Poly-E-Flake + 3 lb/sk Silicat	327	25%	15.40	1.45

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 8,000'.
LINER	Float shoe, 1 joint, float collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Joe Cawthorn 713-997-5929

MANAGER: Tommy Gaydos

EL PASO E&P COMPANY, L.P.
HAMAKER 3-30A1E
SECTION 30, T1S, R1E, U.S.B.&M.
UINTAH COUNTY, UTAH

PROCEED EAST ON US HIGHWAY 40 FROM THE INTERSECTION OF MAIN STREET AND 200 NORTH STREET, ROOSEVELT, UTAH APPROXIMATELY 5 MILES TO AN INTERSECTION;

TURN LEFT AND PROCEED NORTH ON PAVED HIGHWAY FROM THE INTERSECTION ON WHITEROCKS HIGHWAY WITH U.S. HIGHWAY 40 APPROXIMATELY 5.05 MILES TO AN INTERSECTION;

TURN LEFT AND TRAVEL ON PAVED COUNTY ROAD 0.74 MILES TO THE ACCESS ROAD;

TURN RIGHT AND FOLLOW ROAD FLAGS NORTHWESTERLY 0.12 MILES TO THE PROPOSED LOCATION;

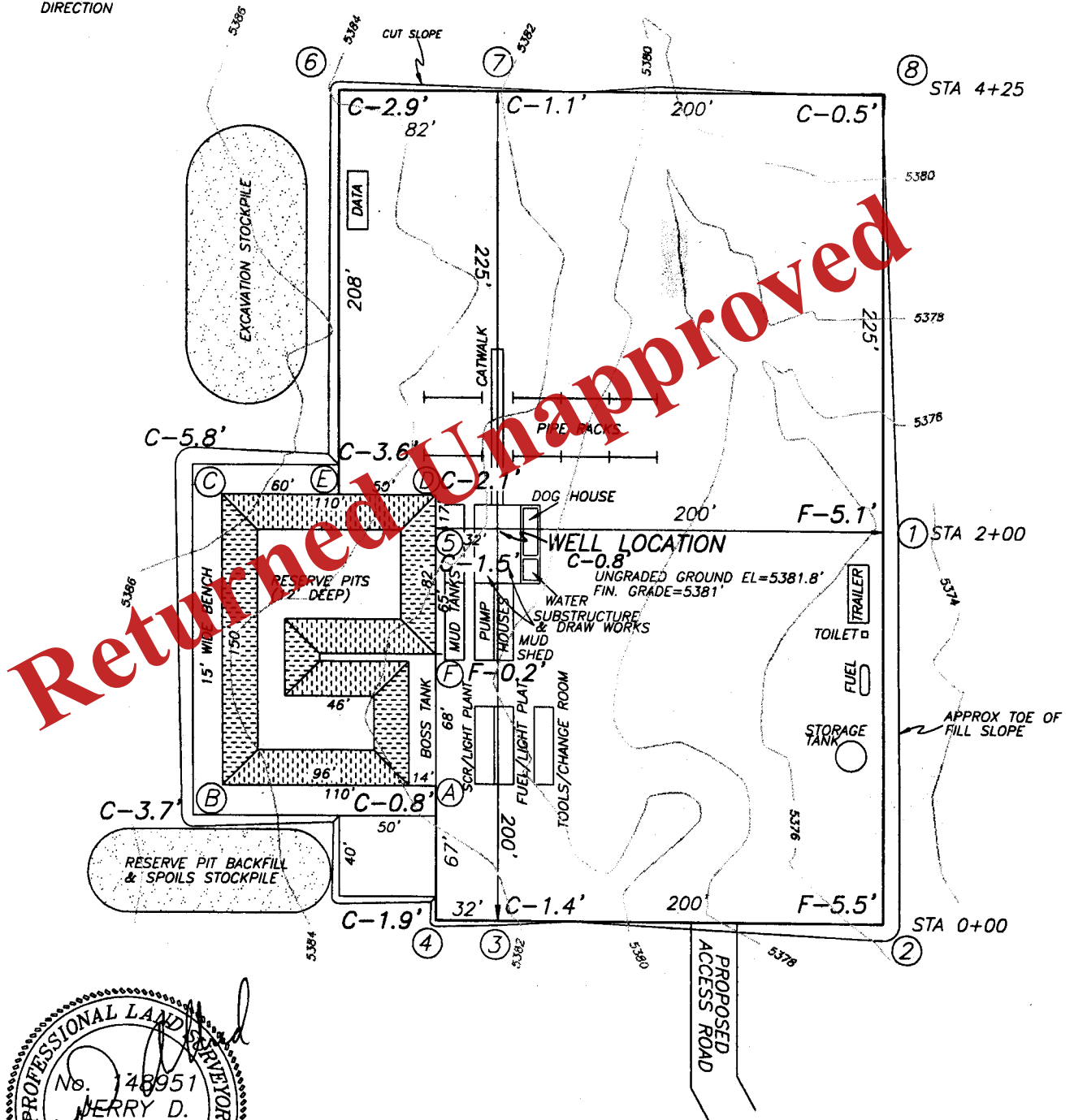
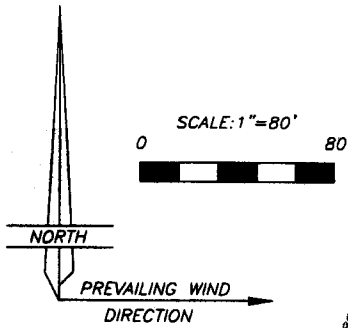
TOTAL DISTANCE FROM THE INTERSECTION OF THE WHITEROCKS HIGHWAY AND U.S. HIGHWAY 40 TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 5.91 MILES.

Returned Unapproved

EL PASO E & P COMPANY, L.P.

LOCATION LAYOUT FOR
HAMAKER 3-30A1E
SECTION 30, T1S, R1E, U.S.B.&M.
746' FSL, 1027' FWL

FIGURE #1



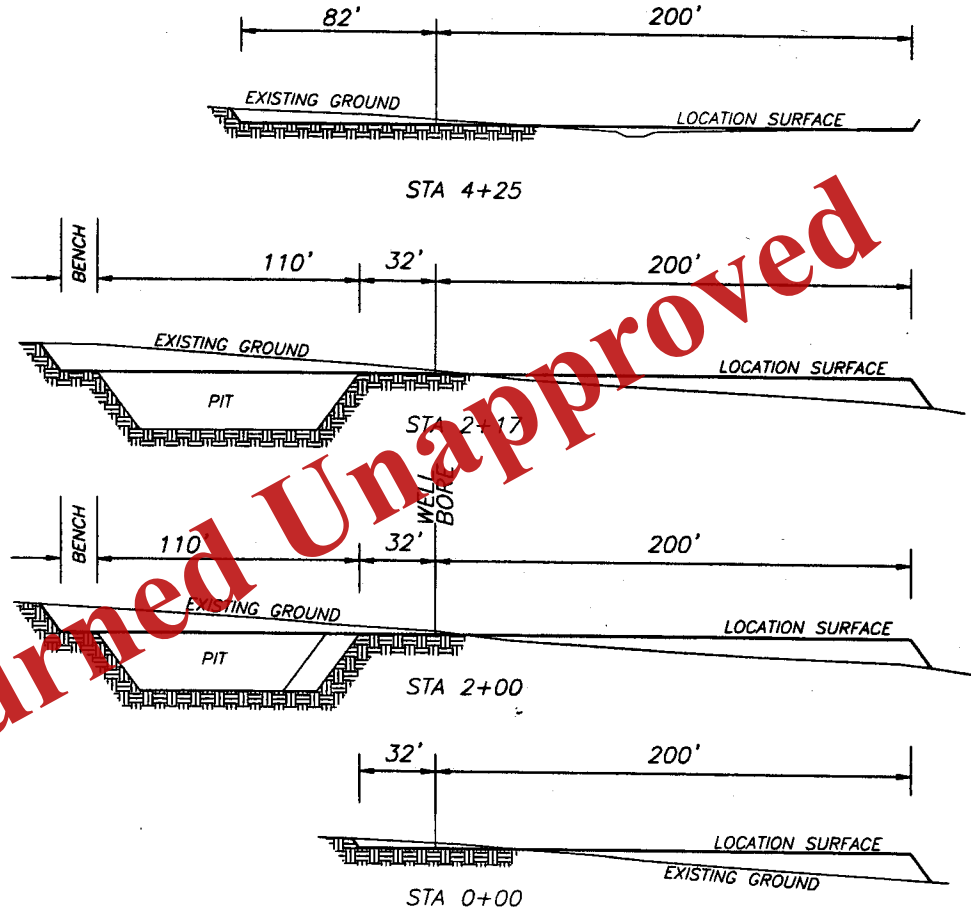
EL PASO E & P COMPANY, L.P.

LOCATION LAYOUT FOR
HAMAKER 3-30A1E
SECTION 30, T1S, R1E, U.S.B.&M.
746' FSL, 1027' FWL

FIGURE #2

1"=40'
X-SECTION
SCALE
1"=80'

NOTE: ALL CUT/FILL
SLOPES ARE 1½:1
UNLESS OTHERWISE
NOTED



APPROXIMATE YARDAGES

TOTAL CUT (INCLUDING PIT) = 10,538 CU. YDS.

PIT CUT = 4572 CU. YDS.

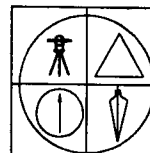
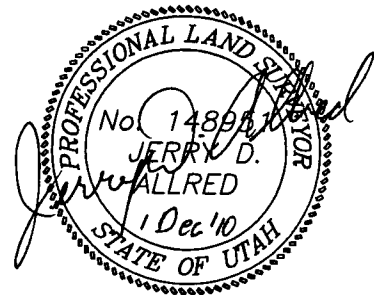
TOPSOIL STRIPPING: (6") = 2586 CU. YDS.

REMAINING LOCATION CUT = 977 CU. YDS.

TOTAL FILL = 9631 CU. YDS.

LOCATION SURFACE GRAVEL=1374 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL=148 CU. YDS.



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESTER, UTAH 84021
(435) 738-5352

30 NOV 2010

01-128-185

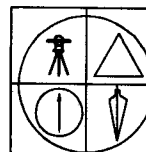
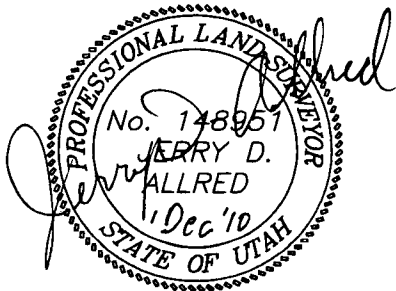
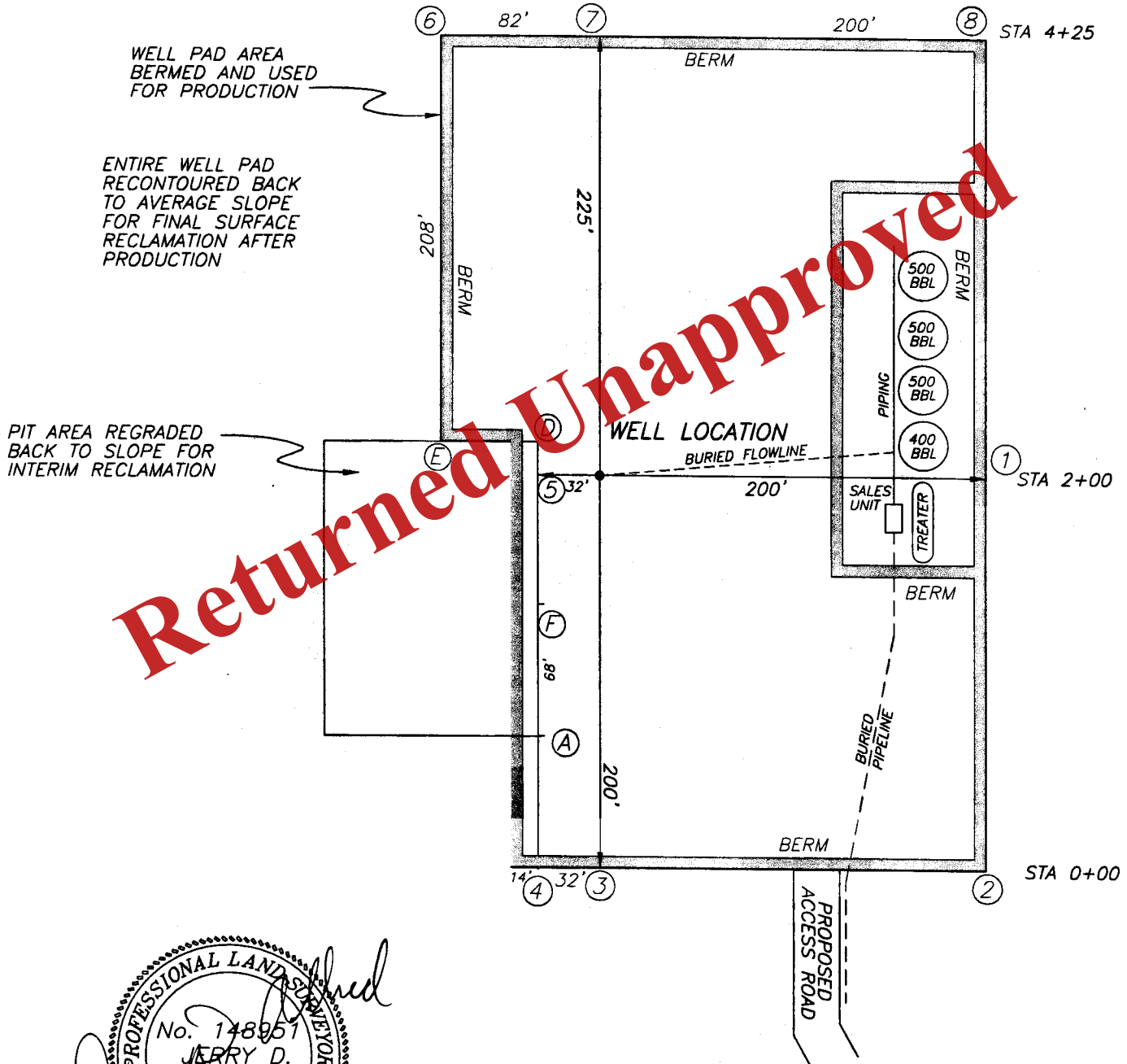
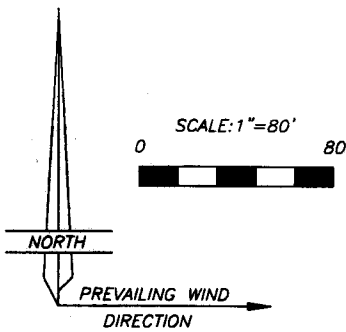
Received: August 17, 2012

EL PASO E & P COMPANY, L.P.

LOCATION LAYOUT FOR
HAMAKER 3-30A1E

SECTION 30, T1S, R1E, U.S.B.&M.
746' FSL, 1027' FWL

FIGURE #3



JERRY D. ALLRED & ASSOCIATES
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LOCATION USE AREA AND ACCESS ROAD, POWER LINE, AND PIPELINE
CORRIDOR RIGHT-OF-WAY SURVEY FOR
ELPASO E&P COMPANY, L.P.
HAMAKER 3-30A1E
SECTION 30, T1S, R1E, U.S.B.&M.
UINTAH COUNTY, UTAH

USE AREA BOUNDARY DESCRIPTION

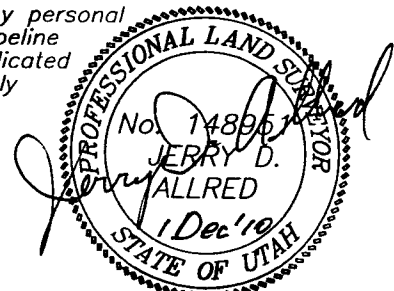
Commencing at the Southwest Corner of Section 30, Township 1 South, Range 1 East of the Uintah Special Base and Meridian;
Thence North 56°08'19" East 933.32 feet to the TRUE POINT OF BEGINNING;
Thence North 00°00'20" West 475.00 feet;
Thence North 89°59'40" East 475.00 feet;
Thence South 00°00'20" East 475.00 feet;
Thence South 89°59'40" West 475.00 feet to the TRUE POINT OF BEGINNING, containing 5.18 acres.

ACCESS ROAD, PIPELINE, AND POWER LINE CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 66 feet wide access road, pipeline, and power line right-of-way corridor over portions of Section 30, Township 1 South, Range 1 East of the Uintah Special Base and Meridian, the centerline of said right-of-way being further described as follows;
Commencing at the Southwest Corner of said Section;
Thence North 65°25'43" East 1250.67 feet to the TRUE POINT OF BEGINNING, said point being on the South line of the El Paso E&P Co. Hamaker 3-30A1E well location use area boundary;
Thence South 00°00'00" East 56.61 feet;
Thence South 28°57'07" East 493.46 feet to the North right-of-way line of the County Road. Said right-of-way being 550.07 feet in length with the sidelines being shortened or elongated to intersect said use area boundary and said North right-of-way lines.

SURVEYOR'S CERTIFICATE

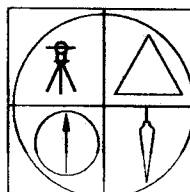
This is to certify that this plat was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the use area and access road, power line, and pipeline corridor right-of-way shown hereon, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.



THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°22'29.30061"N AND LONG. 109°54'58.86832"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

Jerry D. Allred, Professional Land Surveyor,
Certificate 148951 (Utah)



JERRY D. ALLRED AND ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

30 NOV 2010

01-128-185

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FOUND SPINDLE
AT QUARTER CORNER

NW¼
SW¼
HAMAHER PROPERTY

NE¼
SW¼
HAMAHER PROPERTY

S 00°09'52" E 2643.95'

COUNTY ROAD

EL PASO E & P COMPANY, L.P.
SURFACE USE AREA
HAMAHER 3-30A1E
5.18 Acs
L2

HAMAHER PROPERTY

SE¼
SW¼
HAMAHER PROPERTY



PROPOSED 66' WIDE
ACCESS-ROAD, POWER
LINE, AND PIPELINE
CORRIDOR RIGHT-OF-WAY

PROPOSED
PIPELINE

FOUND IRON PIN
AT QUARTER CORNER

SEC 25

SEC 30

SEC 36

SEC 31

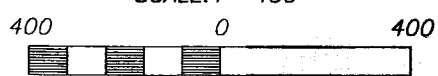
FOUND MONUMENT SPIKE
AT SECTION CORNER

N 89°56'40" W 2666.53'

COUNTY ROAD



SCALE: 1"=400'



LINE	BEARING	DISTANCE
L1	N 00°00'20" W	475.00'
L2	N 89°59'40" E	475.00'
L3	S 00°00'20" E	475.00'
L4	S 89°59'40" W	475.00'
L5	S 00°00'00" W	56.61'
L6	S 28°57'07" E	493.46'

Returned Unapproved

BLIND RAMS

KILL LINE
2" MIN.
(2 KILL LINE VALVES AND
A CHECK VALVE-2" MIN.)

CHOKE LINE
3" MIN.

DRILLING SPOOL

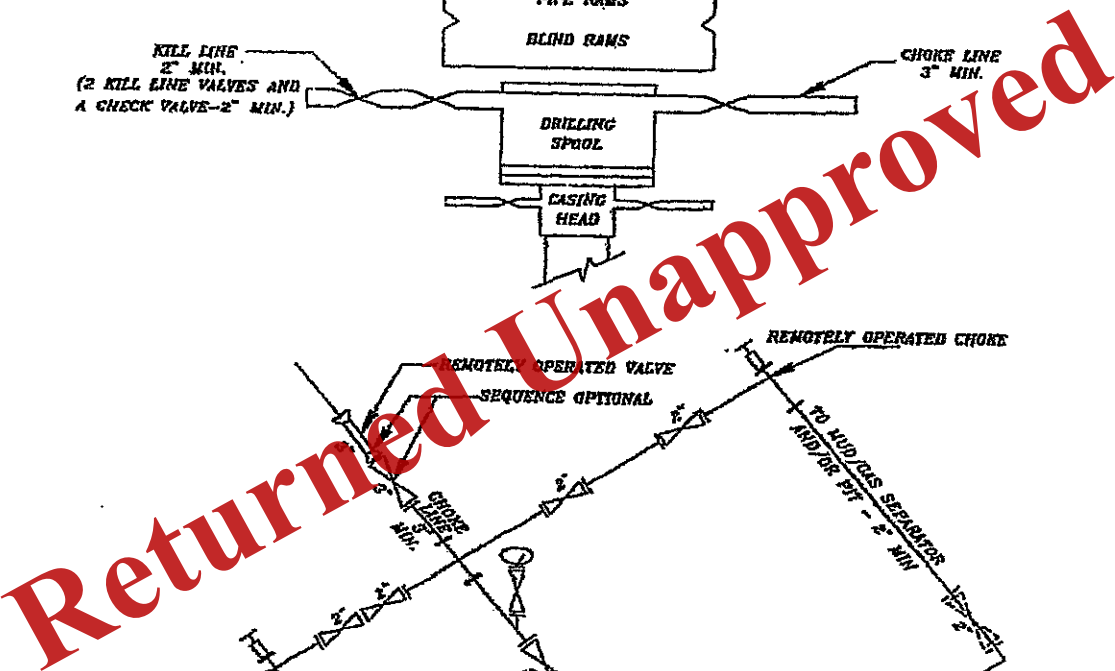
CASING HEAD

REMOTE OPERATED VALVE
SEQUENCE OPTIONAL

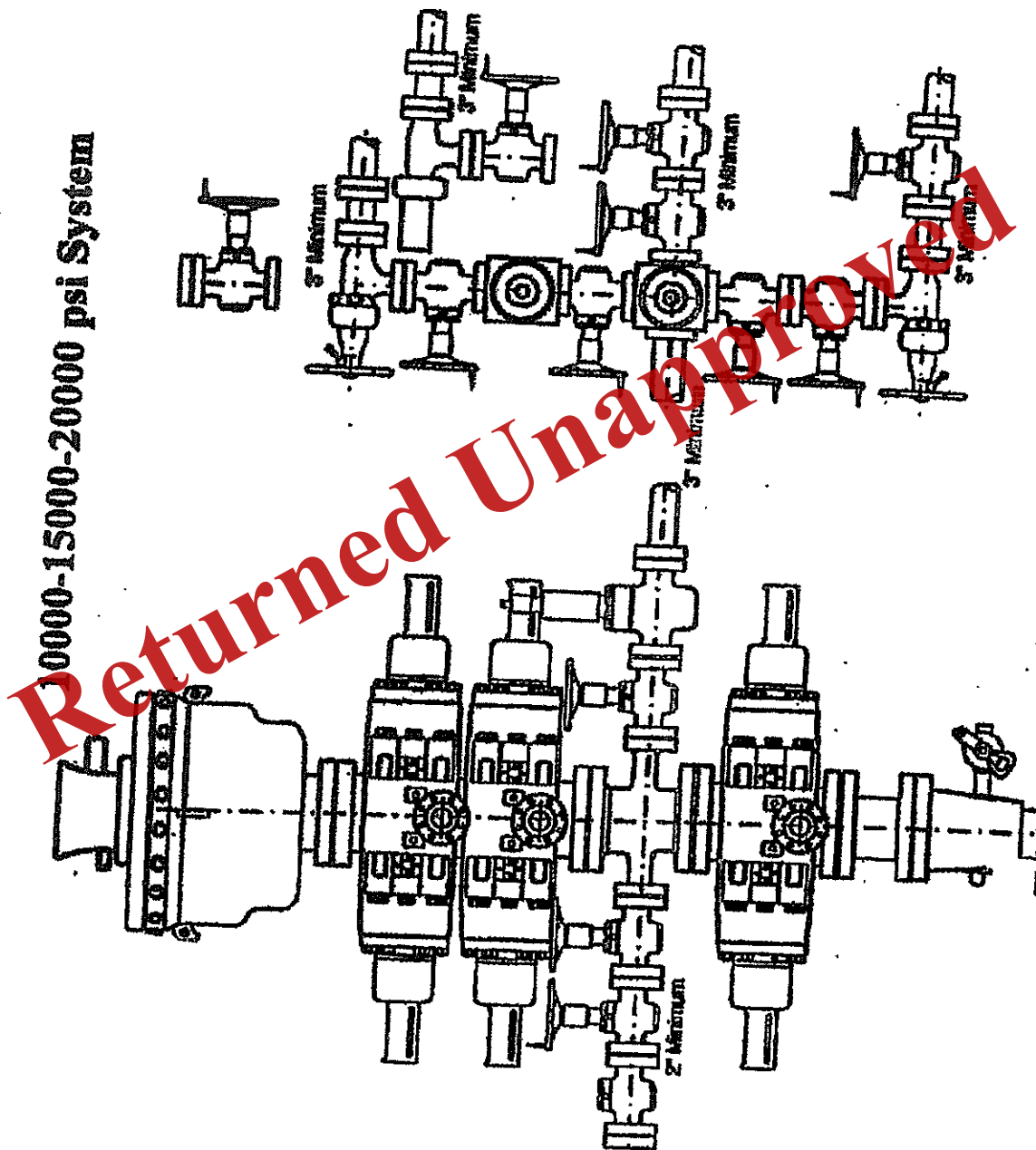
CHOKE LINE
3" MIN.

REMOTE OPERATED CHOKE

TO MUD/GAS SEPARATOR
AND/OR PT - 2" MIN

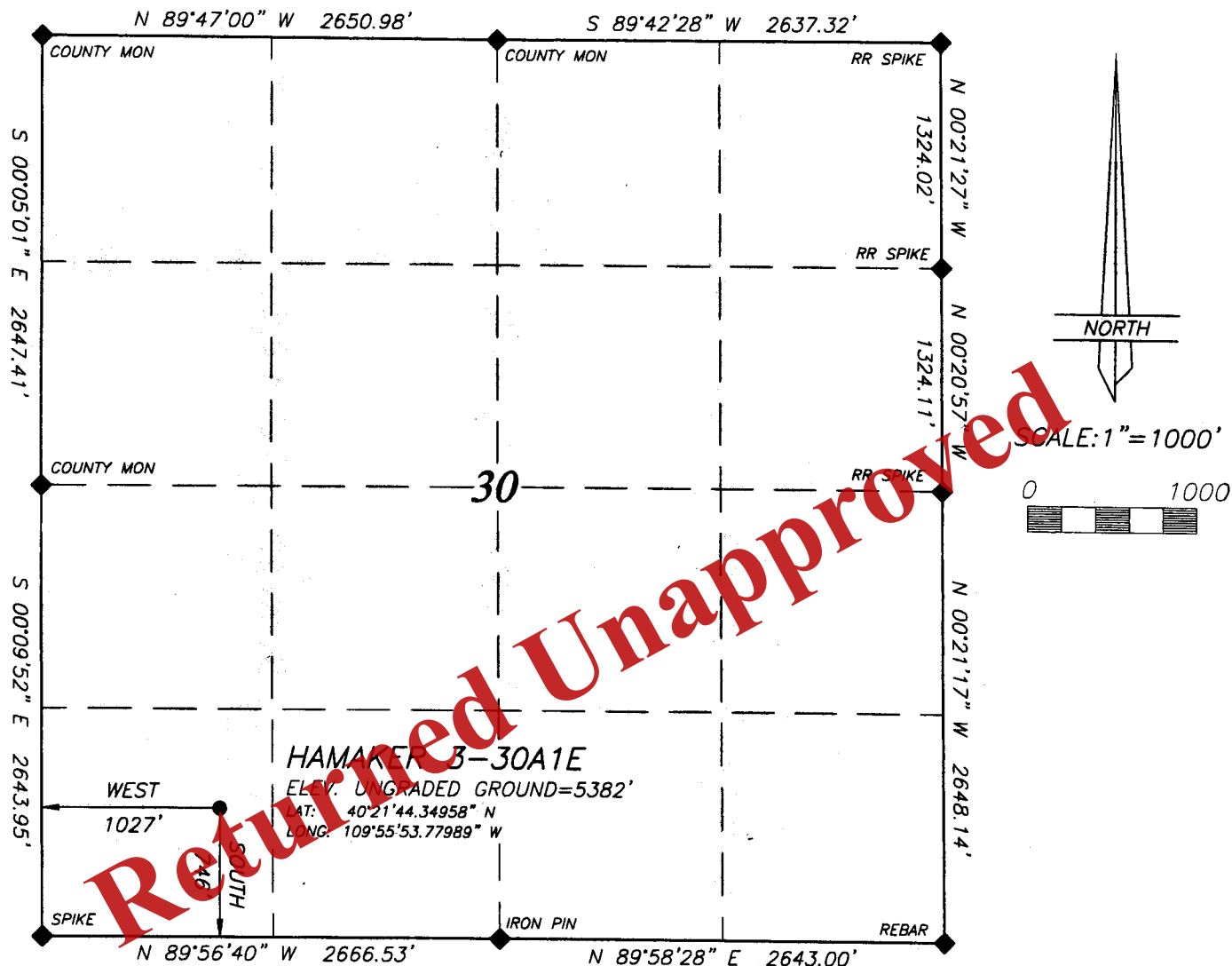


10000-15000-20000 psi System



HAMAKER 3-30A1E

LOCATED IN THE SW $\frac{1}{4}$ OF THE SW $\frac{1}{4}$ OF
SECTION 30, T1S, R1E, U.S.B.&M.
UINTAH COUNTY, UTAH



◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

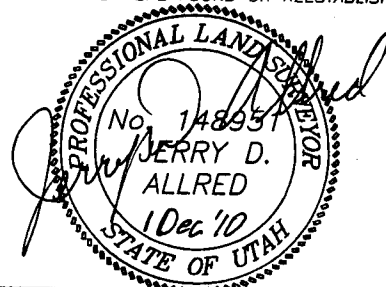
THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS
USED FOR REFERENCE AND CALCULATIONS AS
WAS THE U.S.G.S. MAP

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

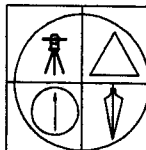
THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°22'29.30061"N AND LONG. 109°54'58.86832"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

BASIS OF ELEVATIONS: NAVD 88 DATUM USING
THE UTAH REFERENCE NETWORK CONTROL SYSTEM

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.



JERRY D. ALLRED, REGISTERED LAND SURVEYOR,
CERTIFICATE NO. 148951 (UTAH)

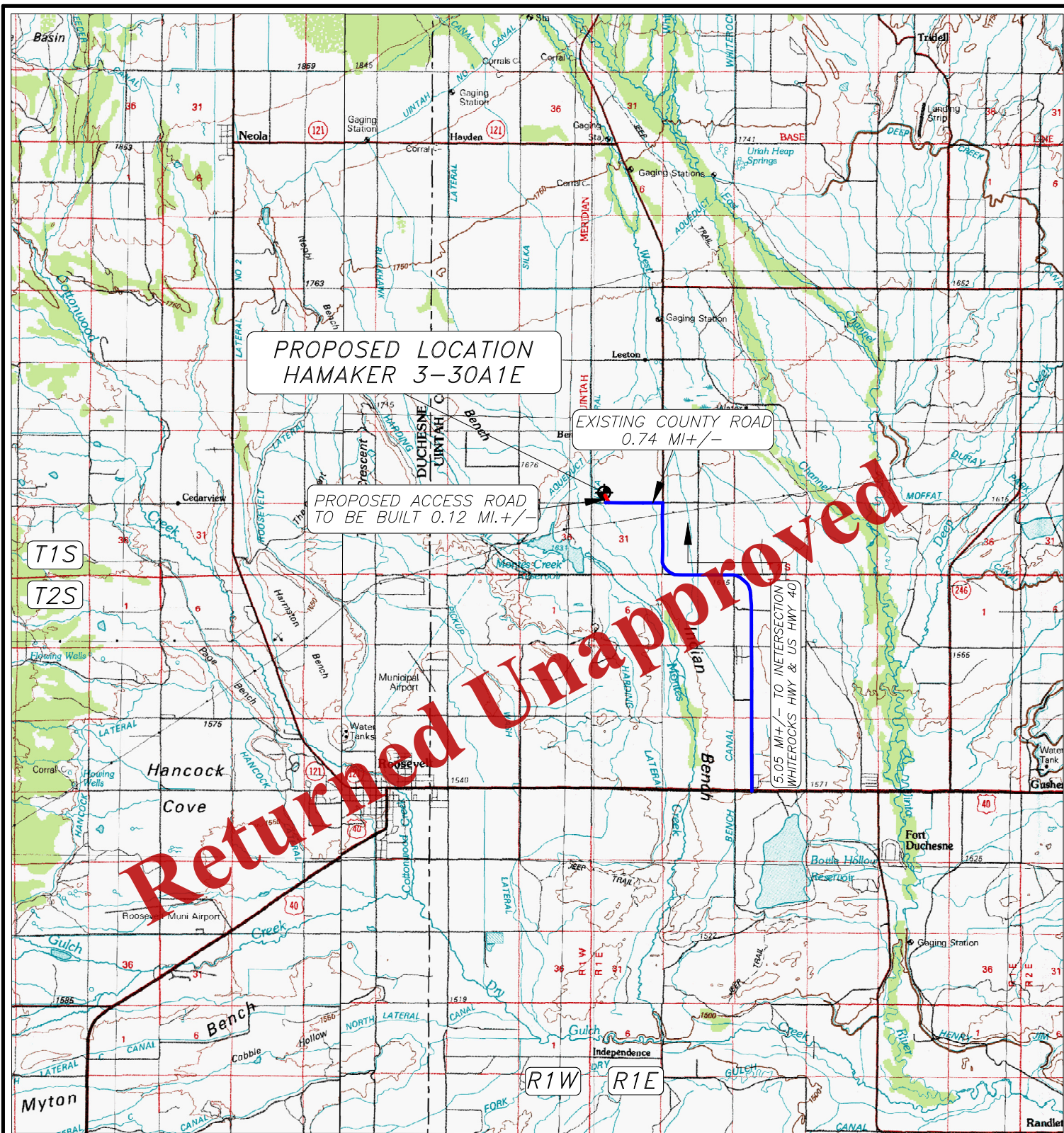


JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCESNE, UTAH 84021
(435) 738-5352

30 NOV 2010 01-128-185

Received: August 17, 2012



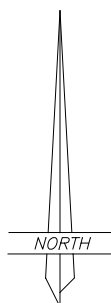
LEGEND:

◆ PROPOSED WELL LOCATION

01-128-185

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352



EL PASO E & P COMPANY, L.P.

HAMAKER 3-30A1E

SECTION 30, T1S, R1E, U.S.B.&M.

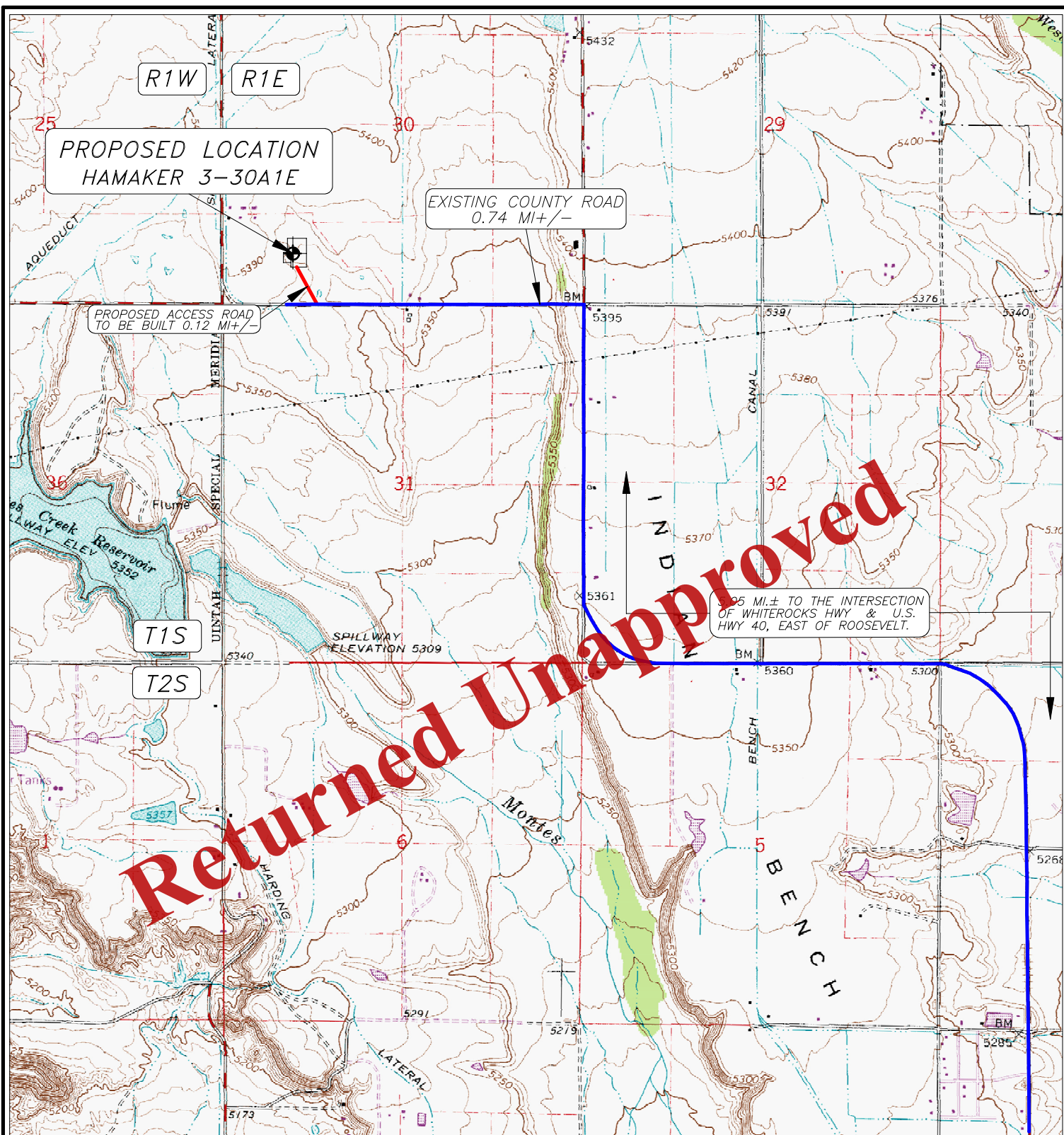
746' FSL 1027' FWL

TOPOGRAPHIC MAP "A"

SCALE: 1"=10,000'

1 DEC 2010

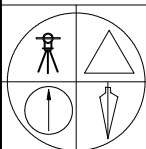
Received: August 17, 2012



LEGEND:

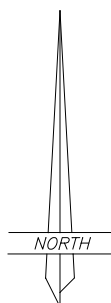
- PROPOSED WELL LOCATION
- PROPOSED ACCESS ROAD
- EXISTING GRAVEL ROAD
- EXISTING PAVED ROAD

01-128-185



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESTER, UTAH 84021
(435) 738-5352



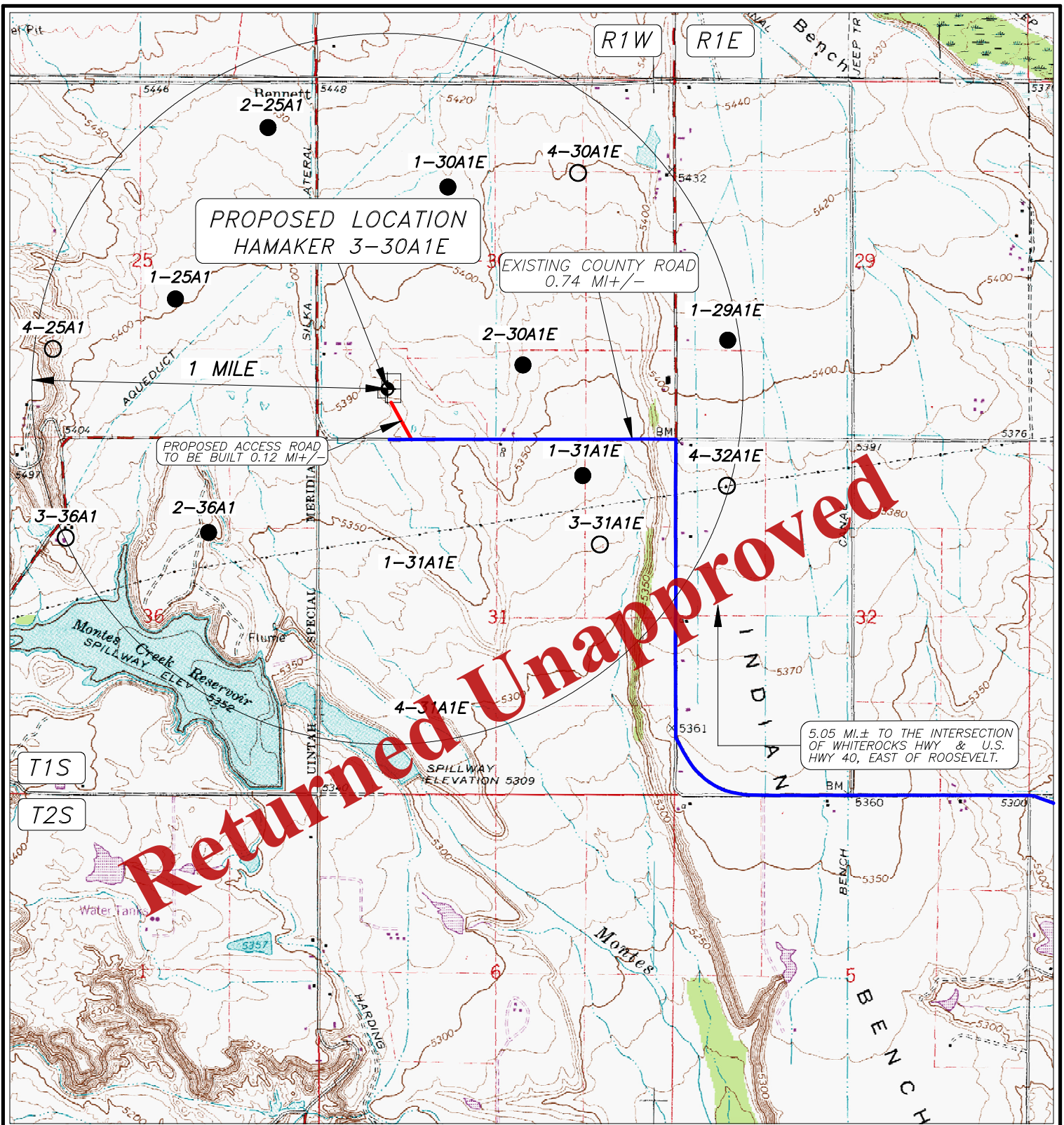
EL PASO E & P COMPANY, L.P.

HAMAKER 3-30A1E
SECTION 30, T1S, R1E, U.S.B.&M.
746' FSL 1027' FWL

TOPOGRAPHIC MAP "B"

SCALE: 1"=2000'
1 DEC 2010

Received: August 17, 2012



LEGEND:

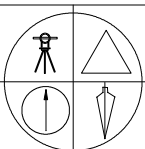
⊕ PROPOSED WELL LOCATION

2-25C6



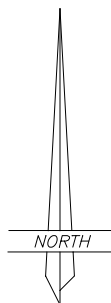
OTHER WELLS AS LOCATED FROM
SUPPLIED MAP

01-128-185



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESENE, UTAH 84021
(435) 738-5352



EL PASO E & P COMPANY, L.P.

HAMAKER 3-30A1E
SECTION 30, T1S, R1E, U.S.B.&M.
746' FSL 1027' FWL

TOPOGRAPHIC MAP "C"

SCALE: 1"=2000'
1 DEC 2010

Received: August 17, 2012

AFFIDAVIT OF FACTS

STATE OF UTAH §

COUNTY OF UINTAH §

**Re: Damage Settlement & Release (DSR) and Right-of-Way (ROW)
Wellsite, Road and Pipeline
EP Energy E&P Company, L.P., Operator
Hamaker 3-30A1E Oil & Gas Well
746' FSL & 1,027' FWL
T1S-R1E Sec. 30: SW/4SW/4
Uintah County, Utah**

WHEREAS, the undersigned, Byron Moos and David Allred (affiants) whose mailing address is P.O. Box 3, Duchesne, UT 84021, being first duly sworn on oath, depose and say:

1. We are over the age of 21 and are Independent Oil and Gas Landmen, on contract to Transcontinent Oil Company acting as agents for EP Energy E&P Company, L.P., 1001 Louisiana Street, Houston, Texas 77002 ("EP Energy").
2. EP Energy is the Operator and owner of the mineral estate under oil and gas leases of the proposed Hamaker 3-30A1E oil and gas well (the "Well"), to be located on the SW/4SW/4 of Section 30, Township 1 South, Range 1 East, USM (the "Drillsite Location") at the surveyed location of 746 feet from the South line and 1,027 feet from the West line of the said Section 30, located and being on a part of a tract of land known as Uintah County Tax Roll Acct #79561, Serial #13:030:0010, Uintah County, Utah ("Property").
3. While the minerals under the Property are owned by a number of individual fee mineral owners, the surface estate is owned by:

**Marvin J. Hamaker, Trustee of Marvin J. Hamaker Family Living Trust
RR2 Box 2708, Roosevelt, UT 84066 ("Mr. Hamaker")
Phone: (435) 353-4911**
4. On August 11, 2010 Cameron Moos (Landman for Land Professionals, Inc. on contract with El Paso E&P Company) placed two telephone calls to the above referenced telephone number. The calls went unanswered.
5. On August 12, 2010 Cameron Moos placed a telephone call to the above referenced telephone number. The call went unanswered. On this date, Cameron Moos mailed a survey access agreement, damage settlement & release and right-of-way agreement via certified mail, return receipt requested, to Mr. Marvin Hamaker at the above stated address.
6. On August 13, 2010 Cameron Moos placed a telephone call to the above referenced telephone number. The call went unanswered.
7. On August 16, 2010 Cameron Moos placed a telephone call to the above referenced telephone number. The call went unanswered.
8. On August 17, 2010 Cameron Moos placed a telephone call to the above referenced telephone number. The call went unanswered. On this date the return receipt from the USPS acknowledging that Mr. Hamaker received the documents sent via certified mail was received.
9. On August 18, 2010 Cameron Moos placed a telephone call to the above referenced telephone number. The call went unanswered.
10. On August 20, 2010 Cameron Moos achieved telephone contact with Mr. Marvin Hamaker. Mr. Hamaker indicated that the proposed well would be on his cattle ranch,

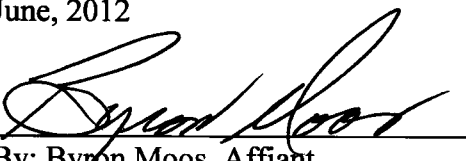
and that it would cause problems with his work. He said that the proposed well location is the area where the calves are born each spring, and that the well can not be placed there. Mr. Hamaker further indicated that he does not want the well on his property due to the problems the well would cause in the operation of cattle business.

11. On August 25, 2010, Mr. Chris Jones (Legal Counsel for El Paso E&P Company), in a series of e-mails to Mr. Kenneth Anderton (Attorney for Mr. Marvin Hamaker), arranged for a meeting to take place between Mr. Hamaker and representatives of El Paso to discuss placement of the proposed oil well on Mr. Hamaker's property.
12. On August 30, 2010 a meeting was held on the road adjacent to the tract of land where the above referenced well is proposed to be placed. In attendance were Mr. Marvin J. Hamaker, (Surface Owner) Brent E. Hamaker, (Son of Marvin J. Hamaker) Kenneth Anderton, (Attorney for Mr. Hamaker) Wayne Garner (El Paso Construction Foreman) and Byron Moos (Landman for Land Professionals, Inc. on contract with El Paso E&P Company). At that meeting, Mr. Wayne Garner proposed two options for the location of the above referenced well. Mr. Brent Hamaker indicated that the surveyor should place the wellhead stakes for both proposed locations to allow for better visual reference before the final location decision is made. However, Mr. Brent Hamaker indicated at that time that they expect to be paid for granting permission to enter their property to perform the surveying of the proposed well site. Mr. Marvin Hamaker also indicated that a one time, up front payment for a surface damage release and right of way for the proposed well site would be a sufficient compensation. They want to be paid annually as long as the well is on their property.
13. On September 1, 2010 Mr. Chris Jones e-mailed a draft Surface Access and Use Agreement to Mr. Kenneth Anderton for his review.
14. On September 16, 2010 Mr. Kenneth Anderton communicated that his client (Mr. Marvin Hamaker) was demanding an annual payment for this proposed well site and that he would also require a payment for any survey access to his property. Mr. Hamaker also wanted to make a change to the well site location that they had agreed to on the initial onsite meeting.
15. After numerous messages and attempts to communicate with Mr. Anderton regarding access to survey, with no response, Mr. Chris Jones sent another demand letter on October 23, 2010 to Mr. Anderton for Mr. Hamaker, demanding access to conduct the survey for this proposed well site.
16. On October 28, 2010 Mr. Kenneth Anderton responded that his client (Mr. Hamaker) would grant access to his property for the survey in exchange for a payment of \$500.00.
17. On November 2, 2010 Wayne Garner, Jerry Allred (Professional Land Surveyor) and Mr. Marvin Hamaker met at the proposed well site. At that time Mr. Wayne Garner gave Mr. Marvin Hamaker a prepayment of a portion of the surface use compensation for the well site for permission to enter Mr. Marvin Hamaker's property to survey the wellsite. Mr. Hamaker then gave his verbal permission to enter his property, no signed survey access agreement was obtained.
18. On November 11, 2010 the onsite survey for the proposed Hamaker 3-30A1E well site was conducted and on December 2, 2010 the survey report was completed by Jerry Allred and Associates.
19. Shortly after the meeting on November 2, 2010, Mr. Kenneth Anderton committed to return his written comments to the draft Surface Use Agreement.
20. On December 9, 2010 a copy of the completed survey for this proposed well site was delivered to Mr. Kenneth Anderton.
21. After several messages and attempts to communicate, Mr. Kenneth Anderton communicated to Mr. Chris Jones that he was meeting with his client on the following Tuesday (December 21, 2010) to discuss and revise the Surface Use

Agreement. Mr. Anderton has never responded as to the results of that meeting (if it occurred), despite several voice mail and e-mail messages left by Mr. Chris Jones.

22. On December 30, 2010 the Damage Settlement & Release for the wellsite and the Right-of-Way Agreement for the right-of-way for the Hamaker 3-30A1E wellsite were mailed to Mr. Marvin Hamaker by Byron Moos. No response was received from Mr. Hamaker.
23. On January 20, 2011 Byron Moos contacted Mr. Marvin Hamaker to discuss El Paso's compensation offer for the Hamaker 3-30A1E well site and right-of-way. Mr. Hamaker stated that the amount offered by El Paso as compensation for the well site and right-of-way was no where near what he wants. He wants an annual payment for the use of his land by El Paso. He also stated that he wants an annual payment to compensate for the income loss to his cattle operations.
24. On January 20, 2012 David Allred (Senior Landman for El Paso E&P Company) Attempted to contact Mr. Hamaker via the telephone but was unsuccessful.
25. On January 25, 2012 David Allred (Senior Landman for El Paso E&P Company) Attempted to contact Mr. Hamaker via the telephone but was unsuccessful.
26. On March 15, 2012 David Allred (Senior Landman for El Paso E&P Company) Attempted to contact Mr. Kenneth Anderton (Attorney for Hamaker Family) via the telephone but was unsuccessful.
27. On March 20, 2012 David Allred (Senior Landman for El Paso E&P Company) Attempted to contact Mr. Kenneth Anderton (Attorney for Hamaker Family) via the telephone but was unsuccessful.
28. On May 2, 2012 a pre site was held on the 3-25A1 well site the at this time the 3-30A1E location was discussed but no decision was made as to whether or not an agreement could be made.
29. As of this date, June 5, 2012, EP Energy has not been able to acquire a signed Damage Settlement & Release and Right-of-Way Agreement for the proposed Hamaker 3-30A1E Oil and Gas Well in Section 30, Township 1 South, Range 1 East, U.S.M.

NOW THEREFORE, the undersigned affiants Byron Moos and David Allred, of lawful age, being first duly sworn, depose and say, that the above facts are true and correct to the best of their knowledge, further Affiants saith not. Signed this 8th day of June, 2012 ^{6th}

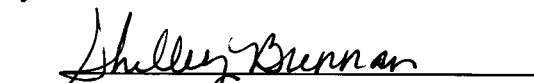

By: Byron Moos, Affiant


By: David Allred, Affiant

STATE OF UTAH §

COUNTY OF DUCHESNE §

On this 6th day of June A.D., 2012 personally appeared before me Byron Moos and David Allred, Affiant signers of the above instrument, who duly acknowledged to me that they executed the same. WITNESS my hand and official seal.


Notary Public



Received: August 17, 2012

EP ENERGY E&P COMPANY, L.P., L.P.

Related Surface Information

1. Current Surface Use:

- Livestock Grazing and Oil and Gas Production.

2. Proposed Surface Disturbance:

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .12 miles in length and 66 feet wide.
- All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3. Location Of Existing Wells:

- Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

4. Location And Type Of Drilling Water Supply:

- Drilling water: Roosevelt City/Ballard City Water

5. Existing/Proposed Facilities For Productive Well:

- There are no existing facilities that will be utilized for this well.
- A pipeline corridor .12 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
- Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

6. Construction Materials:

- Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

7. Methods For Handling Waste Disposal:

- The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of 1½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
- Sewage will be handled in Portable Toilets.
- Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
- Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

8. Ancillary Facilities:

- There will be no ancillary facilities associated with this project.

9. **Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
 1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
 2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
 3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.
 1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
 2. Landowner will be contacted for rehabilitation requirements.

10. **Surface Ownership:**

Marvin J. Hamaker, Trustee of Marvin J. Hamaker Family Living Trust
RR2 Box 2708
Roosevelt, Utah 84066
435-353-4911

Other Information:

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

• **Operator and Contact Persons:**

Construction and Reclamation:

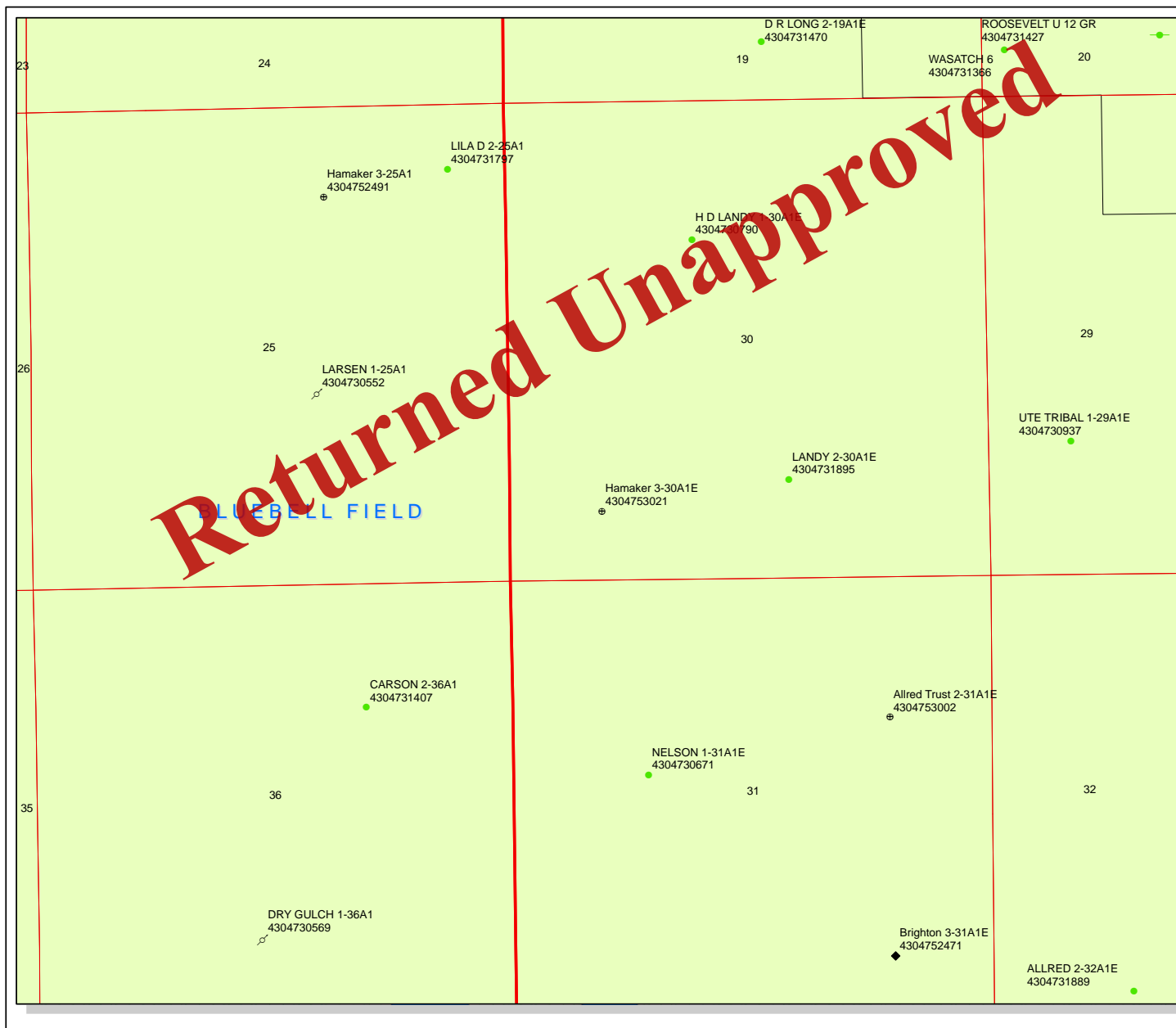
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

Regarding This APD

EP Energy E&P Company, L.P.
Maria S. Gomez
1001 Louisiana, Rm 2730D
Houston, Texas 77002
713-997-5038 – Office

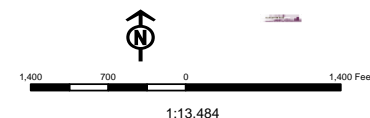
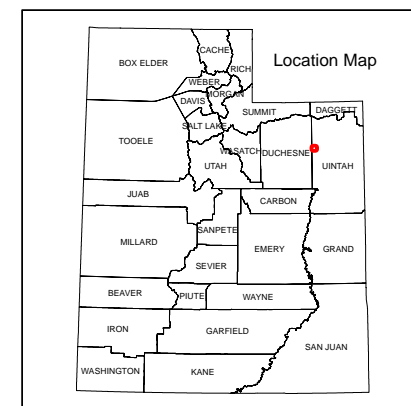
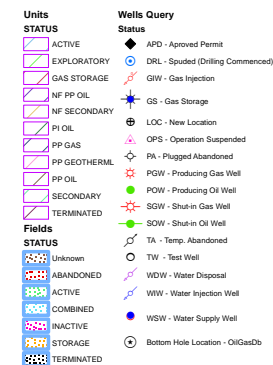
Drilling

EP Energy E&P Company, L.P.
Joe Cawthorn – Drilling Engineer
1001 Louisiana, Rm 2523B
Houston, Texas 77002
713-997-5929 – office
832-465-2882 – Cell



API Number: 4304753021
Well Name: Hamaker 3-30A1E
Township T01.0S Range R01.0E Section 30
Meridian: UBM
 Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared:
 Map Produced by Diana Mason



Well Name	EP ENERGY E&P COMPANY, L.P. Hamaker 3-30A1E 43047530210000			
String	Cond	Surf	I1	L1
Casing Size(in)	13.375	9.625	7.000	4.500
Setting Depth (TVD)	1000	5500	9900	13700
Previous Shoe Setting Depth (TVD)	0	1000	5500	9900
Max Mud Weight (ppg)	8.8	9.5	10.0	14.0
BOPE Proposed (psi)	1000	1000	5000	10000
Casing Internal Yield (psi)	2730	5750	11220	12410
Operators Max Anticipated Pressure (psi)	9974			14.0

Calculations	Cond String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	458	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	338	YES rotating head, WBM
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	238	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	238	NO OK
Required Casing/BOPE Test Pressure=		1000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

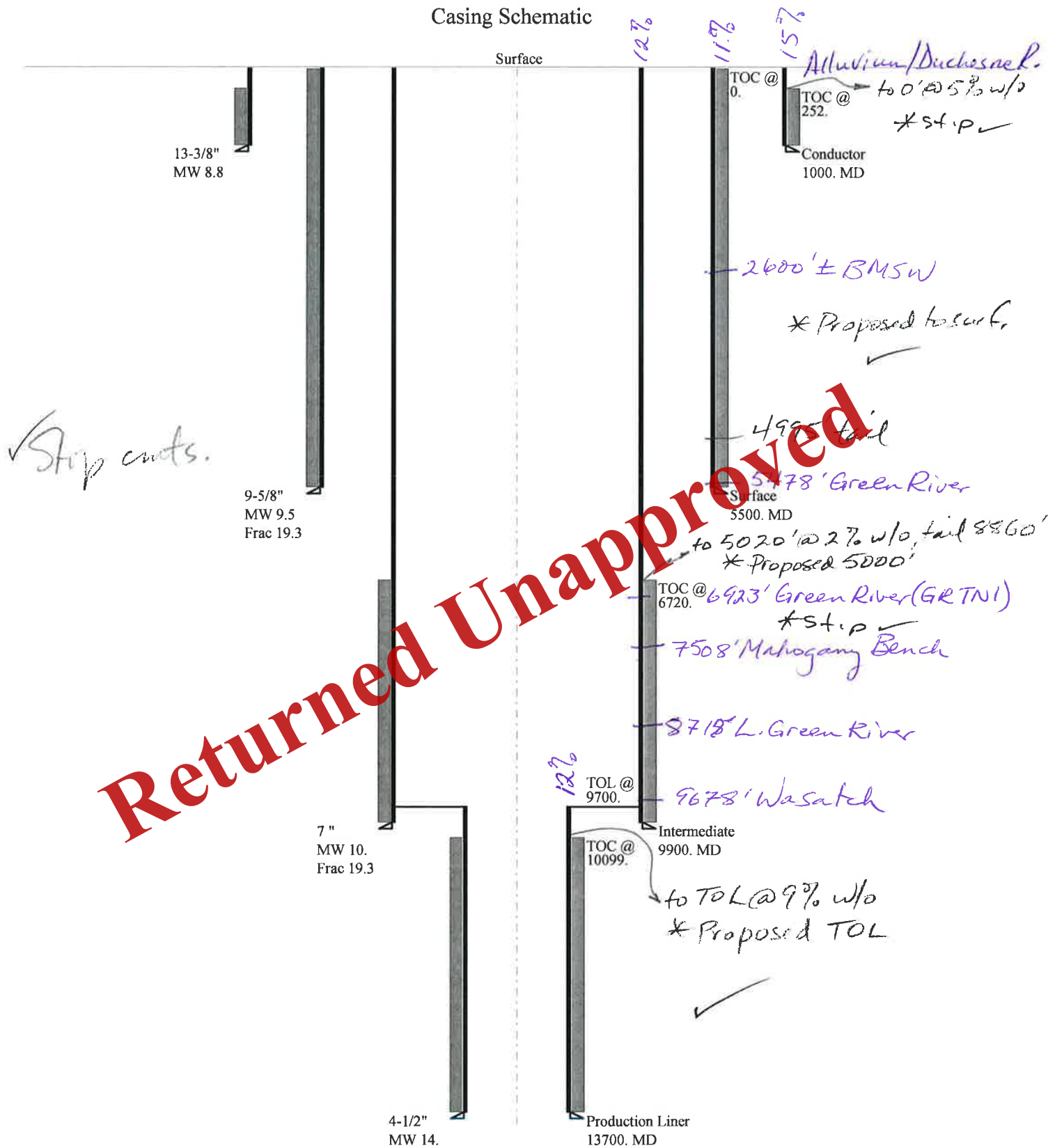
Calculations	Surf String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	2717	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2057	NO rotating head, WBM
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1507	NO Reasonable, no expected pressure
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1727	NO
Required Casing/BOPE Test Pressure=		4025	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	5148	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3960	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2970	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4180	YES OK
Required Casing/BOPE Test Pressure=		7854	psi
*Max Pressure Allowed @ Previous Casing Shoe=		5500	psi *Assumes 1psi/ft frac gradient

Calculations	L1 String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	9974	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	8330	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	6960	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	9138	YES
Required Casing/BOPE Test Pressure=		8687	psi
*Max Pressure Allowed @ Previous Casing Shoe=		9900	psi *Assumes 1psi/ft frac gradient

43047530210000 Hamaker 3-30A1E

Casing Schematic



Well name:

43047530210000 Hamaker 3-30A1E

Operator: EP ENERGY E&P COMPANY, L.P.

String type: Conductor

Project ID:

43-047-53021

Location: UINTAH COUNTY

Design parameters:**Collapse**

Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 88 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 252 ft

Burst

Max anticipated surface pressure: 337 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 457 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight
Neutral point: 870 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1000	13.375	54.50	J-55	ST&C	1000	1000	12.49	12406
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	457	1130	2.472	457	2730	5.97	47.4	514	10.84 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801-538-5357
FAX: 801-359-3940

Date: October 3, 2012
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Received: October 11, 2012

Well name: **43047530210000 Hamaker 3-30A1E**
 Operator: **EP ENERGY E&P COMPANY, L.P.**
 String type: **Surface**
 Location: **UINTAH COUNTY**

Project ID:
 43-047-53021

Design parameters:

Collapse

Mud weight: 9.500 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 151 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,965 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 4,175 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.70 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Tension is based on buoyed weight
 Neutral point: 4,722 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,900 ft
 Next mud weight: 10.000 ppg
 Next setting BHP: 5,143 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 5,500 ft
 Injection pressure: 5,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	5500	9.625	40.00	N-80	LT&C	5500	5500	8.75	69981
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2774	3090	1.139	4175	5750	1.38	188.9	737	3.90 J

Prepared by: Helen Sadik-Macdonald
 Div of Oil, Gas & Mining

Phone: 801-538-5357
 FAX: 801-359-3940

Date: October 3, 2012
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5500 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Received: October 11, 2012

Well name:	43047530210000 Hamaker 3-30A1E	
Operator:	EP ENERGY E&P COMPANY, L.P.	
String type:	Intermediate	Project ID: 43-047-53021
Location:	UINTAH COUNTY	

Design parameters:
Collapse

Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 213 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 6,720 ft

Burst

Max anticipated surface pressure: 6,950 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,128 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight
Neutral point: 8,402 ft

Non-directional string.
Re subsequent strings:

Next setting depth: 13,700 ft
Next mud weight: 14.000 ppg
Next setting BHP: 9,964 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 9,900 ft
Injection pressure: 9,900 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9900	7	29.00	P-110	LT&C	9900	9900	6.059	111797

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5143	8530	1.659	9128	11220	1.23	287.1	797	2.78 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: October 3, 2012
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9900 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Received: October 11, 2012

Well name:

43047530210000 Hamaker 3-30A1E

Operator:

EP ENERGY E&P COMPANY, L.P.

String type:

Production Liner

Project ID:

43-047-53021

Location:

UINTAH COUNTY

Design parameters:**Collapse**

Mud weight: 14.000 ppg
Internal fluid density: 2.330 ppg

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 266 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 10,099 ft

Burst

Max anticipated surface pressure: 6,950 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,963 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Liner top: 9,700 ft

Non-directional string.

Tension is based on air weight.

Neutral point: 12,873 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4000	4.5	13.50	P-110	LT&C	13700	13700	3.795	22412
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	8305	10680	1.286	9963	12410	1.25	54	338	6.26 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: October 3, 2012
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 13700 ft, a mud weight of 14 ppg. An Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Received: October 11, 2012



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 26, 2013

EP ENERGY E&P COMPANY, L.P.
1001 Louisiana
Houston, TX 77002

Re: Application for Permit to Drill - UINTAH County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the Hamaker 3-30A1E well, API 43047530210000 that was submitted August 17, 2012 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah



RE: Surface agreements

Gomez, Maria S <Maria.Gomez@epenergy.com> Fri, Apr 26, 2013 at 11:53 AM
To: Diana Mason <dianawhitney@utah.gov>

Diana:

Please see below in red my notes for AOF's. Some of the APD's need to be cancelled as noted below and some we will keep. Please let me know if I need to contact someone else.

Have a wonderful weekend.

Thanks,

Maria S. Gomez



Principal Regulatory Analyst

maria.gomez@epenergy.com

713-997-5038 Office

832-683-0361 Cell

From: Diana Mason [mailto:dianawhitney@utah.gov]
Sent: Wednesday, March 06, 2013 2:23 PM
To: Gomez, Maria S
Subject: Surface agreements

Hi Maria,

Did EP Energy ever get signed surface agreements for the following APDs?

- | | |
|-----------------|---------------------------------|
| Thomas 1-33C4 | Continuing on process - keep |
| Epley 1-15C4 | Became SUA and already approved |
| Hamaker 3-30A1E | Please cancel APD |

Cook 3-12B4

Continuing on process - keep

Allred Trust 2-31A1E

Continuing on process - keep

Hamaker 3-25A1

Please cancel APD

Cabinland 4-9B3

Please cancel APD

Sundance West 4-22B4

Please cancel APD

Thank you,

Diana